



product code: **PROTIG321PWDC-TOWER**

**Package equipped:**

- source ProTIG 321P DC
- cooler
- MaxCoolant - cooling liquid 5l
- 4 wheel drive set
- user's manual



Use the configurator to complete the equipment according to your needs.

## Product variants

### Index

**ProTIG 321PW DC [source, cooler, driving set]**

**PROTIG321PWDC-TOWER**

**ProTIG 321PW DC [source, cooler, driving set] package with TIG torch SPP 18 - 4m**

**PROTIG321PWDC-PAK-18-4**

## Product description

### INDUSTRIAL TIG PULS

**SPARTUS® ProTIG 321PW DC** it is a modern inverter welder adopts the latest pulse width modulation PWM technology and transistor IGBT power module.

It allows TIG DC and MMA DC welding with current up to 320A. It is powered from a 400V three-phase network.

The high-class source allows you to set the following parameters in the TIG method:

- Up Slope / Down Slope time,
- for TIG Puls: Puls Current, Base Current, Pulse Frequency, Pulse Width,
- mode selection 2T/4T / SPOT,
- Pre Gas, Post Gas,

in the MMA method:

- welding current,
- Arc Force,
- Hot Start.

All settings SPARTUS® ProTIG 321PW DC are regulated by a modern LCD display. This not only facilitates control, but also allows for the precise setting and control of advanced functions due to the fact that the parameters can be continuously and steplessly adjusted.

Thanks to the TIG Puls function, the device is perfect for welding very thin sheets. ProTIG 321PW DC has 10 memory channels. The user can easily save and recall the most used settings.

The ProTIG 321PW DC model is additionally equipped with an integrated liquid cooler, which ensures efficient cooling of the torch during welding with high currents. The whole is placed on a transport cart with space for a shielding gas cylinder.

Modern design, LCD function panel and the possibility of wireless control in combination with high-class components makes the ProTIG 321PW DC stand out on the market.

The professional device of the SPARTUS® Pro line is perfect suited to the production sector and industry.

## Technical details

|                     |   |
|---------------------|---|
| Input               | ~3× 400V ± 10% 50 / 60 Hz   |
| TIG welding current | 10 - 320A   |
| TIG duty cycle      | 60%   |
| Gas pre flow        | 0.1 - 2s  |
| Gas post flow       | 0 - 10s   |
| Up slope            | 0 - 10s   |
| Down slope          | 0 - 10s   |
| TIG Pulse           | yes   |
| Pulse Amps          | 10 - 320A   |
| Pulse Width         | 5 - 95%   |
| Pulse frequency     | 0,5 - 999Hz   |
| 2T/4T Control       | yes   |
| Arc ignition        | LIFT / HF   |
| Control options     | control in torch UP&DOWN, wired foot control, control in the handle potentiometer |
| Water cooler        | yes   |
| Tank capacity       | 5l  |
| MMA welding current | 10 - 320A   |
| Arc Force           | yes   |
| Hot Start           | yes   |
| No-load voltage     | 72.6V   |
| Current consumpiton | DC: TIG 18A / MMA 23.8A   |
| Power factor (cosφ) | 0.7   |
| Efficiency η        | 85%   |
| Insulation class    | H   |
| Protection class    | IP21S   |
| Weight              | 74.5kg  |
| Dimensions          | 1150 x 600 x 1200mm   |
| Control plug        | 9SPA - SPARTUS®   |